



Mobile Checkout Developer Guide

Mobile Checkout Developer Guide

Document Number: 10044.en_US-200910

© 2009 PayPal, Inc. All rights reserved. PayPal is a registered trademark of PayPal, Inc. The PayPal logo is a trademark of PayPal, Inc. Other trademarks and brands are the property of their respective owners.
The information in this document belongs to PayPal, Inc. It may not be used, reproduced or disclosed without the written approval of PayPal, Inc.
Copyright © PayPal. All rights reserved. PayPal (Europe) S.à r.l. et Cie., S.C.A., Société en Commandite par Actions. Registered office: 22-24 Boulevard Royal, L-2449, Luxembourg, R.C.S. Luxembourg B 118 349.
Consumer advisory: The PayPal™ payment service is regarded as a stored value facility under Singapore law. As such, it does not require the approval of the Monetary Authority of Singapore. You are advised to read the terms and conditions carefully.

Notice of non-liability:

PayPal, Inc. is providing the information in this document to you "AS-IS" with all faults. PayPal, Inc. makes no warranties of any kind (whether express, implied or statutory) with respect to the information contained herein. PayPal, Inc. assumes no liability for damages (whether direct or indirect), caused by errors or omissions, or resulting from the use of this document or the information contained in this document or resulting from the application or use of the product or service described herein. PayPal, Inc. reserves the right to make changes to any information herein without further notice.



Contents

Preface	5
This Guide	5
Intended Audience	5
Revision History	5
Where to Go for More Information	5
 Chapter 1 PayPal Mobile Checkout Overview	 7
Security on the Mobile Web	7
How Mobile Checkout Works	8
Availability	8
Customer Activation for Mobile Checkout	8
Mobile Checkout Processing Flow	10
Merchant Integration Points	12
Initiating the Transaction	12
Redirecting to PayPal Mobile Checkout	12
Completing the Transaction	13
 Chapter 2 Mobile Checkout API Reference	 15
SetMobileCheckout	15
SetMobileCheckout Request	15
SetMobileCheckout Response	19
DoMobileCheckoutPayment	20
DoMobileCheckoutPayment Request	20
DoMobileCheckoutPayment Response	20
Error Codes	26
 Appendix A PayPal Supported Currencies	 31
 Appendix B Country Codes	 33





Preface

This Guide

The *Mobile Checkout Developer Guide* describes the PayPal Mobile Checkout service. It describes the interfaces, information flows, and functionality of this service.

Intended Audience

This guide is written for developers of mobile applications that use PayPal. You should be familiar with mobile website programming and with either the PayPal Web Services API or the PayPal Name-Value Pair API Interface.

Revision History

Revision history for *Mobile Checkout Developer Guide*.

TABLE P.1 *Revision History*

Date	Description
October 2009	Updated the list of supported currencies and currency codes.
May 2008	Added general API error codes.
September 2007	<ul style="list-style-type: none">• Added information about secure Return and Cancel URLs• Noted that PIN is recommended but not required.
May 2007	Initial version of document.

Where to Go for More Information

This guide relies on information in the following guides and references:

- [Express Checkout Integration Guide](#)
- [Name-Value Pair API Developer Guide](#)
- [SOAP API Developer Reference](#)
- [Sandbox User Guide](#)



1

PayPal Mobile Checkout Overview

PayPal Mobile Checkout provides merchants with the essential components necessary for mobile commerce:

- A hosted quick buyer flow
- A straightforward merchant interface
- Transaction completion data
- PayPal merchant support

PayPal defines *mobile commerce* as any and all transactions completed using a mobile phone. Buyers use a simple two step process (login and review) to make payments. The merchant interface can be plugged into any mobile medium that can initiate a mobile browser session, and uses either the PayPal Web Services SOAP or Name/Value Pair (NVP) API interface. After a transaction is completed, the necessary buyer and transaction data is delivered to the merchant via the interface.

The processing flow and APIs for Mobile Checkout are similar to those for Express Checkout. For more information about Express Checkout, see the *Name-Value Pair (NVP) Developer Guide and Reference* and the *SOAP API Reference*.

Security on the Mobile Web

PayPal Mobile Checkout is designed to support the vast majority of mobile devices sold by major carriers that can make secure connections. To access mobile checkout, a device, mobile carrier, and browser must support the following:

- WAP 2.0 phones (not WAP 1.0)
- xHTML or HTML markup language
- SSL connections
- Cookies enabled
- No carrier "WAP gap"

If a device or connection fails any of these checks, the customer will not be able to connect to the PayPal servers.

NOTE: Mobile web generally refers to the collection of accepted web standards used on mobile devices. Most modern mobile devices use mini-browsers, much like a web browser on a computer. A growing portion of phone subscribers pay for data plans to access information, services, and commerce on their mobile devices through these mobile browsers. Most mobile browsers use the xHTML markup language, while others also use cHTML, HTML, and WML. Most devices support cookies with default

on and support SSL connections. However, not all devices meet these standards or have implemented these standards to the associated specification.

How Mobile Checkout Works

1. After selecting products to purchase, your customers click a **Checkout with PayPal** link or button on your mobile site or in a Short Message Service (SMS) text message.
2. They are transferred to PayPal, where they log in, review and select their payment method and the correct shipping address.
3. The customer is returned to your mobile site to complete the transaction. PayPal returns to you the shipping address, email, and other customer information needed to fulfill the order.

Availability

Only authorized business and premier merchants have access to the Mobile Checkout API. For more information, contact your PayPal Account Manager.

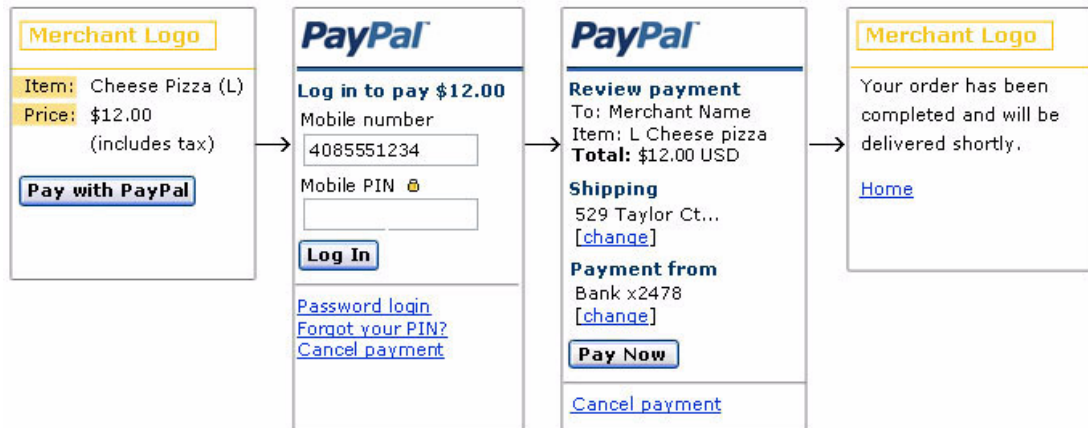
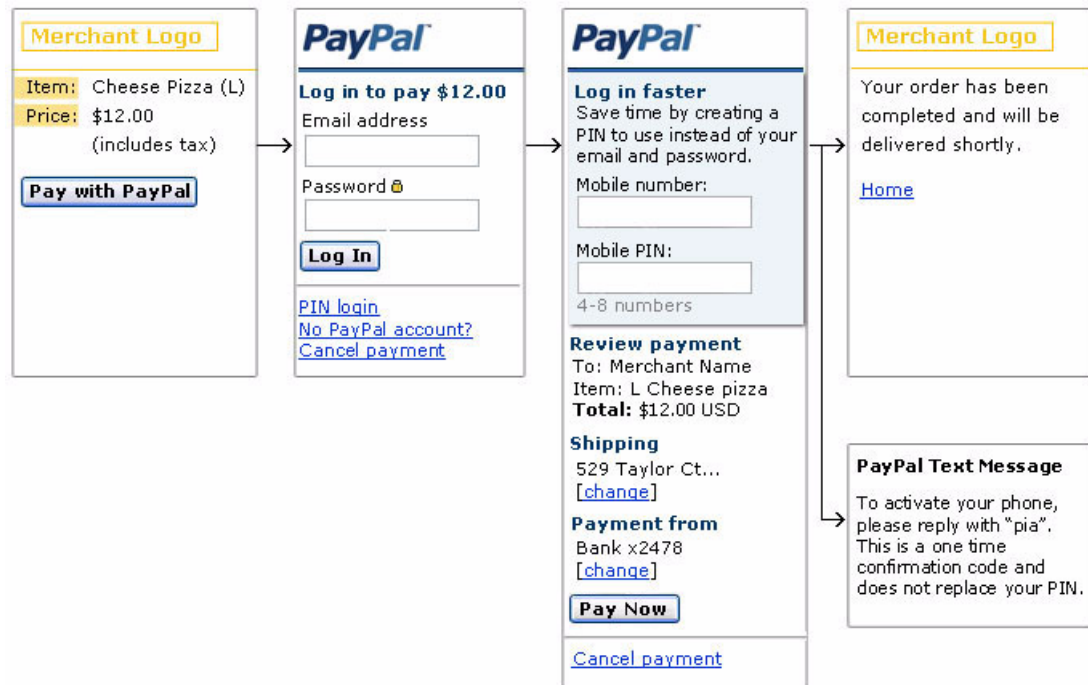
Customer Activation for Mobile Checkout

Because numeric characters are easier to enter on a phone than an alphanumeric password, the PayPal Mobile Checkout flow encourages customers to create a numeric PIN to use for future transactions. The process of creating a numeric PIN is known as *activation*. In the checkout flow, customers can activate their phones on the PayPal website or as part of the checkout process when using Mobile Checkout.

If the customer has previously activated their phone, they log into PayPal Mobile Checkout using their phone number and PIN. If the customer is not activated, they must enter their PayPal user name (email) and password. They can then optionally create a new PIN.

Depending on the information PayPal gets about the phone number from cookies or the API call, PayPal presents either the user name and password login option or the phone number and PIN option.

[Figure 1.1](#) illustrates the login flow for activated customers. [Figure 1.2](#) illustrates the login flow for non-activated customers.

FIGURE 1.1 Activated Mobile Checkout Flow**FIGURE 1.2 Non-Activated Mobile Checkout Flow**

Mobile Checkout Processing Flow

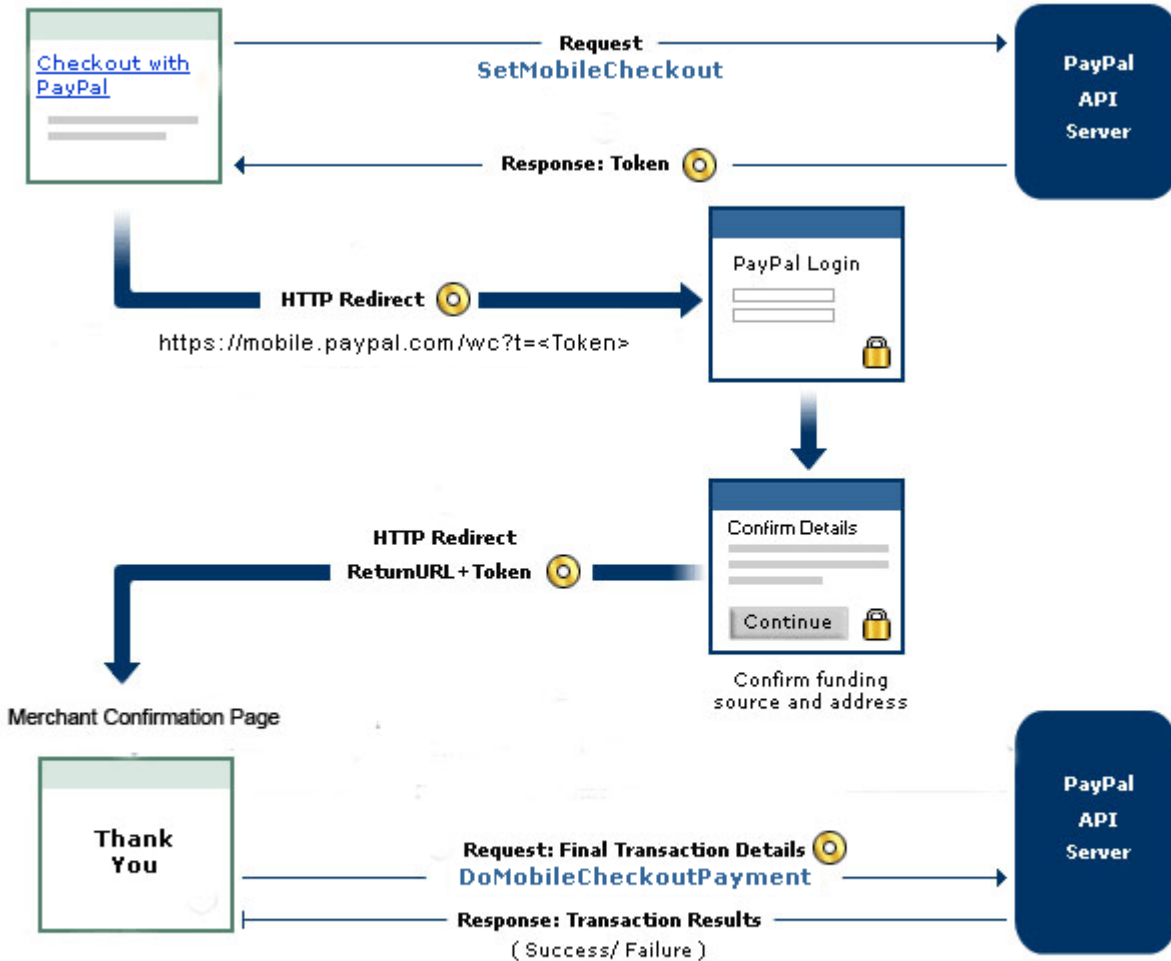
Table 1.1 shows the generic processing flow of a Mobile Checkout transaction. The Merchant column entries in bold represent integration points, which are described in more detail in subsequent sections.

TABLE 1.1 Mobile Checkout Processing Flow

Customer	Merchant	PayPal
Selects product from merchant mobile site, website, client, or SMS keyword list		
	Displays product details and gives customer the option to pay with PayPal.	
Selects PayPal by clicking link to open PayPal Mobile Checkout		
	Calls SetMobileCheckout API to initiate transaction	
		Receives API call and returns response containing transaction token.
	Redirects customer to PayPal URL with token appended	
		Starts PayPal flow.
Logs in to PayPal flow and selects funding.		
		Redirects customer to merchant-supplied, secure Return URL.
Confirms transaction on merchant site, if necessary		
	Calls DoMobileCheckoutPayment API to complete transaction	
	Displays order confirmation page	

Figure 1.3, “Mobile Checkout Processing Flow,” illustrates the processing flow for a Mobile Checkout Transaction.

FIGURE 1.3 Mobile Checkout Processing Flow



Merchant Integration Points

This section describes the merchant integration points shown in bold in [Table 1.1](#).

Initiating the Transaction

When the customer clicks the **Checkout with PayPal** link or button, initiate the PayPal transaction with a call to the SetMobileCheckout API. You can call SetMobileCheckout using either PayPal SOAP Web Services or the PayPal Name-Value Pair (NVP) API. The SetMobileCheckoutRequest contains the following information:

- Shopping cart information, including billing, tax, and shipping amounts and currencies
- PayPal flow information, including Return URL and Cancel URL

IMPORTANT: *Always use a secure site for the return URL. Mobile browsers may not smoothly handle the transition from secure sites (https) to unsecure sites (http) and may display warning messages or experience delays.*

- Customer information (optional), including name, phone number, shipping address, and e-mail)

If you include the customer's phone number, e-mail address, or shipping address in the SetMobileCheckout request, these values are used as defaults within the PayPal flow. See [“SetMobileCheckout Request” on page 15](#) for more information about specific request fields.

The SetMobileCheckout response contains a *Token*, which identifies the transaction at subsequent integration points. The token times out after 24 hours.

Redirecting to PayPal Mobile Checkout

After the response from SetMobileCheckout, you must redirect the customer's browser to PayPal. The SetMobileCheckout response contains a session token field, *t*. Add the value of the token to the following URL and direct the customer's browser to it in the following form:

`https://mobile.paypal.com/wc?t=<Token>`

For example:

`https://mobile.paypal.com/wc?t=Q234AD23AF92821`

NOTE: Redirecting the customer to `https://mobile.paypal.com/wc?t=<Token>` ensures best performance. However, you can also redirect to `https://www.paypal.com/wc?t=<Token>`.

PayPal gets details about the customer (such as shipping address and payment method) and then returns control back to the ReturnURL field from the SetMobileCheckout request. This URL should be the final review page, if provided, where the customer confirms the order and payment, or the confirmation page.

Completing the Transaction

After the customer has confirmed the transaction on your mobile site, complete the transaction by calling the `DoMobileCheckoutPayment` API. The `DoMobileCheckoutPayment` request contains the token from the `SetMobileCheckout` response.

NOTE: If you do not call `DoMobileCheckoutPayment`, the transaction is not completed.

The token returned by `SetMobileCheckout` times out after 24 hours. If you call `DoMobileCheckoutPayment` with a expired token, an error is returned.

PayPal returns a `DoMobileCheckoutPayment` response, which contains the following information:

- Customer information (including name, shipping address, and e-mail)
- Payment information (`PayerInfo` type, including billing, tax, and shipping amounts, and other transaction information)

2

Mobile Checkout API Reference

This chapter provides detailed specifications for the request and response fields for the following Mobile Checkout APIs:

- SetMobileCheckout
- DoMobileCheckoutPayment

You can call these APIs using SOAP or Name-Value Pair (NVP). Field information for both SOAP and NVP are provided.

SetMobileCheckout

Call this API to initiate a mobile checkout transaction.

The response returns a token that uniquely identifies the transaction. You must then redirect the customer's mobile browser to the following URL:

`https://mobile.paypal.com/wc?t=<Token>`

NOTE: Redirecting the customer to `https://mobile.paypal.com/wc?t=<Token>` ensures best performance. However, you can also redirect to `https://www.paypal.com/wc?t=<Token>`.

You must have approval from PayPal in order to use this API. Contact your PayPal Account Manager for more information.

SetMobileCheckout Request

TABLE 2.1 *SetMobileCheckout Request*

SOAP	NVP	Description	Data Type	Req?
BuyerPhone.	PHONE	Three-digit country code for buyer's phone number.	ebl:Count	No
CountryCode	COUNTRYCODE	Character length and limit: 3 single-byte characters Currently, only 1 and 44 are supported..	ryCodeType	
			e	

TABLE 2.1 SetMobileCheckout Request

SOAP	NVP	Description	Data Type	Req?
BuyerPhone. PhoneNumber	PHONENUM	Localized phone number used by the buyer to submit the payment request (excludes country code). If the phone number is activated for Mobile Checkout, PayPal uses this value to pre-fill the PayPal login page. Character length and limit: 9 to 13 single-byte characters	xs:string	No
ItemAmount	AMT	Cost of item before tax and shipping. Character length and limitations: Must not exceed \$1,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). NOTE: You must also set the <code>ItemAmount.CurrencyID</code> field.	cc:Basic AmountType	Yes
ItemAmount. CurrencyID	CURRENCY CODE	A three-character currency code. Default: USD. For allowable values, see Appendix A, “PayPal Supported Currencies.” Character limit: 3 single-byte characters	ns:Curren cyCodeType	Yes
Tax	TAXAMT	Tax on item purchased. NOTE: The tax amount must be in the same currency as the <code>ItemAmount</code> .	cc:Basic AmountType	No
Shipping	SHIPPINGAMT	The shipping costs for this transaction. NOTE: The shipping amount must be in the same currency as the <code>ItemAmount</code> . Character length and limitations:	cc:Basic AmountType	No
ItemName	DESC	The name of the item being ordered. Character length and limitations: 127 single-byte characters	xs:string	Yes
ItemNumber	NUMBER	Pass-through field allowing you to specify details, such as SKU. Character length and limitations: 127 single-byte characters	xs:string	No

TABLE 2.1 SetMobileCheckout Request

SOAP	NVP	Description	Data Type	Req?
Custom	CUSTOM	This element is a <i>passthrough variable</i> . Its value is returned verbatim on the final PayPal Mobile Checkout API, DoMobileCheckoutPayment. You can use this value for whatever purpose you desire, such as an accounting tracking number or additional data needed by your applications (for example, a session ID or other variable). Character length and limitations: 256 single-byte alphanumeric characters	xs:string	No
InvoiceID	INVNUM	Your own invoice number or ID used to identify the transaction. Character length and limitations: 127 single-byte alphanumeric characters	xs:string	No
ReturnURL	RETURNURL	The customer's browser returns to this URL after choosing to pay with PayPal. The token is appended to this URL as follows: <code>https://www.example.com/confirmorder?token=<Token></code> IMPORTANT: Always use a secure site for the return URL. Mobile browsers may not smoothly handle the transition from secure sites (https) to unsecure sites (http) and may display warning messages or experience delays. NOTE: PayPal recommends that the URL be the final review page on which the customer confirms the order and payment. Character length and limitations: no limit.	xs:string	Yes
CancelURL	CANCELURL	The customer is returned to this URL if they cancel payment from within the PayPal flow by clicking the Cancel or Return to Merchant buttons. IMPORTANT: Always use a secure site for the cancel URL. Mobile browsers may not smoothly handle the transition from secure sites (https) to unsecure sites (http) and may display warning messages or experience delays. NOTE: PayPal recommends that the value be the original page on which the customer chose to pay with PayPal. Character length and limitations: no limit	xs:string	No

TABLE 2.1 SetMobileCheckout Request

SOAP	NVP	Description	Data Type	Req?
Address Display Options	ADDRESS DISPLAY	<p>Indicates whether a shipping address is required for the transaction. Valid values are:</p> <ul style="list-style-type: none"> 0 – A shipping address is not required. Default. 1 – A shipping address is required. If you pass a value for ShippingAddress, that address is displayed. <p>NOTE: Displaying the PayPal street address on file does not allow the customer to edit that address.</p>	xs:string	No
SharePhone	SHARE PHONENUM	<p>Indicates whether the customer's phone number is returned to the merchant. The customer will be notified in the flow that the phone number is required by the merchant, and can select not to provide the number.</p> <p>Allowable values:</p> <ul style="list-style-type: none"> 0 – Phone number not returned. Default. 1 – Phone number returned. 	xs:string	No
ShipTo Address	See Table 2.2 on page 19 .	<p>The customer's shipping address as stored by the merchant. If this address is specified, it is displayed during checkout. If not, the customer's default shipping address is displayed during checkout.</p> <p>See Table 2.2 on page 19. If you specify a Ship To address, you must enter the fields marked as required in Table 2.2 on page 19.</p> <p>NOTE: If a confirmed address is required by the merchant's profile, then only confirmed addresses are displayed.</p>	eb1:AddressType	No
BuyerEmail	EMAIL	<p>Email address of the buyer as entered during checkout. If the phone number is not activated for Mobile Checkout, PayPal uses this value to pre-fill the PayPal login page.</p> <p>Character length and limit: 127 single-byte alphanumeric characters</p>	ns:EmailAddressType	No

TABLE 2.2 Ship To Address Fields

SOAP	NVP	Description	Data Type	Required
Name	SHIPTO NAME	Person's name associated with this shipping address. Character length and limitations: 32 single-byte characters	xs:string	No
Street1	SHIPTO STREET	Street address line 1. Character length and limitations: 300 single-byte characters	xs:string	Yes
Street2	SHIPTO STREET2	Street address line 2. Character length and limitations: 300 single-byte characters	xs:string	No
CityName	SHIPTO CITY	Name of city. Character length and limitations: 120 single-byte characters	xs:string	Yes
StateOr Province	SHIPTO STATE	State or province. Character length and limitations: 120 single-byte characters	xs:string	No
Country	SHIPTO COUNTRY	ISO 3166 country code. For allowable values, see Appendix B, "Country Codes." Character limit: 2 single-byte characters	ns:Country CodeType	Yes
PostalCode	SHIPTO ZIP	U.S. ZIP code or other country-specific postal code. Character length and limitations: 20 single-byte characters	xs:string	No

SetMobileCheckout Response

TABLE 2.3 SetMobileCheckout Response

SOAP	NVP	Description	Data Type
Token	TOKEN	A timestamped token that uniquely identifies this transaction. NOTE: The token expires after 24 hours. Character length and limitations: 20 single-byte characters	xs:string

DoMobileCheckoutPayment

Call the DoMobileCheckoutPayment API to process the customer's payment. If DoMobileCheckoutPayment is successful, PayPal processes the payment.

DoMobileCheckoutPayment Request

TABLE 2.4 DoMobileCheckoutPayment Request

SOAP	NVP	Description	Data Type	Required
Token	TOKEN	A timestamped token that uniquely identifies this transaction. Use the token returned in SetMobileCheckout response. NOTE: The token returned by SetMobileCheckout expires after 24 hours. Character length and limitations: 20 single-byte characters	xs:string	Yes

DoMobileCheckoutPayment Response

TABLE 2.5 DoMobileCheckoutPayment Response

SOAP	NVP	Description	Data Type
Custom	CUSTOM	This element is a <i>passthrough variable</i> . Its value is returned verbatim as set in the SetMobileCheckout request. You can use this value for whatever purpose you desire, such as an accounting tracking number or additional data needed by your applications (for example, a session ID or other variable). Character length and limitations: 256 single-byte alphanumeric characters	xs:string
InvoiceID	INVNUM	Your own invoice or tracking number, as set by you in the element of the same name in SetMobileCheckout request. Character length and limitations: 127 single-byte alphanumeric characters	xs:string
PayerInfo	See Table 2.7 on page 24	Information about the customer. See Table 2.7 on page 24 .	ebl:PayerInfo Type

TABLE 2.5 DoMobileCheckoutPayment Response

SOAP	NVP	Description	Data Type
PaymentInfo	See Table 2.6 on page 21	Information about the payment. See Table 2.6 on page 21 .	ebl:PaymentInfo Type

TABLE 2.6 DoMobileCheckoutPayment Response: PaymentInfo Type

SOAP	NVP	Description	Data Type
TransactionID	TRANSACTIONID	Unique transaction ID of the payment. Character length and limitations: 19 single-byte characters	xs:string
Parent TransactionID	PARENT TRANSACTIONID	Parent or related transaction identification number. This field is populated for the following transaction types: <ul style="list-style-type: none"> • Reversal. • Capture of an authorized transaction. • Reauthorization of a transaction. • Capture of an order. The value of ParentTransactionID is the original OrderID. • Authorization of an order. The value of ParentTransactionID is the original OrderID. • Capture of an order authorization. • Void of an order. The value of ParentTransactionID is the original OrderID. Character length and limits: 16 digits in xxxx-xxxx-xxxx-xxxx format (19 characters total)	xs:string
ReceiptID	RECEIPTID	Receipt identification number. Character length and limits: 16 digits in xxxxxxxx-xxxx-xxxx format	xs:string
Transaction Type	TRANSACTION TYPE	The type of transaction. The transaction type for mobile payments is send-money, as if the customer created the transaction from the PayPal website.	ns:Payment Transaction CodeType
PaymentType	PAYMENTTYPE	Indicates whether the payment is instant or delayed. Possible values are: <ul style="list-style-type: none"> • none • instant Character length and limitations: 7 single-byte characters	ns:Payment CodeType
PaymentDate	ORDERTIME	Date and time of payment.	xs:dateTime

TABLE 2.6 DoMobileCheckoutPayment Response: PaymentInfo Type

SOAP	NVP	Description	Data Type
GrossAmount	AMT	Full amount of the customer's payment, before transaction fees are subtracted. This amount includes any shipping and taxes from your Merchant Profile. Character length and limitations: Does not exceed \$1,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,).	cc:Basic AmountType
GrossAmount. Currency	CURRENCYCODE	Currency code for the gross amount. For possible values, see Appendix A, "PayPal Supported Currencies." NOTE: A single NVP field is returned for the currency code for GrossAmount, FeeAmount, SettleAmount, and TaxAmount.	ns:Currency CodeType
FeeAmount	FEEAMT	PayPal fee amount charged for the transaction. Character length and limitations: No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,).	cc:Basic AmountType
FeeAmount. Currency	CURRENCYCODE	Currency code for the gross amount. For possible values, see Appendix A, "PayPal Supported Currencies."	ns:Currency CodeType
SettleAmount	SETTLEAMT	Amount deposited in your PayPal account after a currency conversion.	cc:Basic AmountType
SettleAmount. Currency	CURRENCYCODE	Currency code for the gross amount. For possible values, see Appendix A, "PayPal Supported Currencies."	ns:Currency CodeType
TaxAmount	TAXAMT	Tax charged on the transaction. Character length and limitations: No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,).	cc:Basic AmountType
TaxAmount.Cur rency	CURRENCYCODE	Currency code for the gross amount. For possible values, see Appendix A, "PayPal Supported Currencies."	ns:Currency CodeType
ExchangeRate	EXCHANGERATE	Exchange rate if a currency conversion occurred. Relevant only if you are billing in the customer's non-primary currency. If the customer chooses to pay with a currency other than the non-primary currency, the conversion occurs in the customer's account. Character length and limitations: a numeric value that does not exceed 17 characters, including decimal point	xs:string

TABLE 2.6 DoMobileCheckoutPayment Response: PaymentInfo Type

SOAP	NVP	Description	Data Type
PaymentStatus	PAYMENTSTATUS	<p>Status of a PayPal payment.</p> <p>Status of the payment:</p> <ul style="list-style-type: none"> Completed – The payment has been completed, and the funds have been added successfully to your account balance. Pending – The payment is pending. See the PendingReason element for more information. 	ns:Payment StatusCode Type
PendingReason	PENDINGREASON	<p>The reason the payment is pending:</p> <ul style="list-style-type: none"> none – No pending reason. address – The payment is pending because your customer did not include a confirmed shipping address and your Payment Receiving Preferences is set such that you want to manually accept or deny each of these payments. To change your preference, go to the Preferences section of your Profile. intl – The payment is pending because you hold a non-U.S. account and do not have a withdrawal mechanism. You must manually accept or deny this payment from your Account Overview. multi-currency – You do not have a balance in the currency sent, and you do not have your Payment Receiving Preferences set to automatically convert and accept this payment. You must manually accept or deny this payment. verify – The payment is pending because you are not yet verified. You must verify your account before you can accept this payment. unilateral – The payment is pending because it was made to an email address that is not yet registered or confirmed. upgrade – The payment is pending because it was made via credit card and you must upgrade your account to Business or Premier status in order to receive the funds. upgrade can also mean that you have reached the monthly limit for transactions on your account. other – The payment is pending for a reason other than those listed above. For more information, contact PayPal customer service. 	
ReasonCode	REASONCODE	The reason for a reversal if PaymentStatus is reversed. This field is always empty for Mobile Checkout.	ns:Reversal ReasonCode Type

TABLE 2.7 DoMobileCheckoutPayment Response: PayerInfo Type

SOAP	NVP	Description	Data Type
Payer	EMAIL	Payer's e-mail address. Character length and limitations: 127 single-byte characters.	ns:EmailAddressType
PayerID	PAYERID	Unique PayPal customer account number. Character length and limitations: 17 single-byte characters.	ns:UserIDType
PayerStatus	PAYERSTATUS	Status of the payer's email address.	ns:PayPalUserStatusCodeType
PayerName	See Table 2.8 on page 24	Payer's name. See Table 2.8 on page 24 .	ebl:PayerNameType
PayerCountry	COUNTRYCODE	Payer's country code. For possible values, see Appendix B, "Country Codes." Character length and limitations: 2 single-byte characters.	ns:CountryCodeType
PayerBusiness	BUSINESS	Payer's business name. Character length and limitations: 127 single-byte characters.	xs:string
Address	See Table 2.9 on page 25	Payer's address. See Table 2.9 on page 25 .	ebl:AddressType
ContactPhone	PHONENUM	Phone number shared by the customer with the merchant.	xs:string

TABLE 2.8 DoMobileCheckoutPayment Response: PayerName Type

SOAP	NVP	Description	Data Type
ebl__Salutation	SALUTATION	Payer's salutation	ns:SalutationType
ebl__First Name	FIRSTNAME	Payer's first name	ns:NameType
ebl__Middle Name	MIDDLENAME	Payer's middle name	ns:NameType
ebl__Last Name	LASTNAME	Payer's last name	ns:NameType
ebl__Suffix	SUFFIX	Payer's suffix	ns:SuffixType

TABLE 2.9 DoMobileCheckoutPayment Response: Address Type

SOAP	NVP	Description	Data Type
Name	NAME	Person's name associated with shipping address. Character length and limitations: 32 single-byte characters	xs:string
Street1	SHIPTO STREET	Street address line 1. Character length and limitations: 300 single-byte characters	xs:string
Street2	SHIPTO STREET2	Street address line 2. Character length and limitations: 300 single-byte characters	xs:string
CityName	SHIPTO CITY	Name of city. Character length and limitations: 120 single-byte characters	xs:string
StateOr Province	SHIPTO STATE	Name of state or province. Character length and limitations: 120 single-byte characters	xs:string
Country	SHIPTO COUNTRY	ISO 3166 country code. For possible values, see Appendix B, "Country Codes." Character length and limitations: Two single-byte characters	ns:Country CodeType
PostalCode	SHIPTOZIP	U.S. Zip code or other country-specific postal code. Character length and limitations: 20 single-byte characters	xs:string
Phone	SHIPTOPHONE NUM	Phone number associated with this address.	
Address Owner	ADDRESS OWNER	eBay company that maintains this address: eBay or PayPal	ebl:AddressOwnerTypeCode
Address Status	ADDRESS STATUS	Status of the address on file with PayPal: None Confirmed Unconfirmed	ebl:AddressStatusCodeType

Error Codes

This section contains error codes that you may encounter in your application. Your application may receive the following types of errors:

- [Mobile Checkout Error Codes](#)
- [General API Errors](#)

TABLE 2.10 *Mobile Checkout Error Codes*

Error Code	Short Message	Long Message	Description
10001	Internal Error	Internal Error	Internal API Error.
10800	Internal Error	Internal Error	Mobile Checkout Internal Error.
10801	Internal Error	Internal Error	Account is locked or restricted.
10802	Internal Error	Internal Error	System is unavailable.
10806	Internal Error	Internal Error	Problem completing payment.
10808	Internal Error	Internal Error	No funding source available to complete the request.
10809	Internal Error	Internal Error	Invalid recipient email/phone.
10810	Internal Error	Internal Error	Cannot send a payment to yourself.
10811	Internal Error	Internal Error	Recipient cannot receive payments.
10812	Internal Error	Internal Error	Problem completing payment.
10813	Internal Error	Internal Error	No funds held in recipient's preferred currency .
10814	AddressDisplayOptions must be 1 because your payment receiving preferences require the buyer to choose a confirmed.	AddressDisplayOptions must be 1 because your payment receiving preferences require the buyer to choose a confirmed.	Recipient does not have a confirmed address. For SetMobileCheckout, either specify AddressDisplayOption = 1 or change payment receiving preferences to not require a confirmed address.
10815	Internal Error	Internal Error	Recipient's payment receiving preferences do not allow this transaction.
10823	Internal Error	Internal Error	Attempted to share address or phone to an unregistered phone or email, which is not allowed.

TABLE 2.10 Mobile Checkout Error Codes

Error Code	Short Message	Long Message	Description
10824	Internal Error	Internal Error	All specified amounts must have the same currency.
10825	BuyerPhone is not supported by PayPal Mobile.	BuyerPhone is not supported by PayPal Mobile.	Phone is valid but is not supported by PayPal Mobile (such as a country where the service is not yet available).
10826	Internal Error	Internal Error	Checkout session not completed by the buyer.
10827	Internal Error	Internal Error	Invalid token.
10828	Internal Error	Internal Error	Token has expired.
10829	ShipToAddress is ignored because your payment receiving preferences require the buyer to choose a confirmed address.	ShipToAddress is ignored because your payment receiving preferences require the buyer to choose a confirmed address.	Ship To address ignored.
10830	ShipToAddress was an invalid address.	ShipToAddress was an invalid address.	Invalid shipping address.
10831	BuyerPhone is an invalid phone number.	BuyerPhone is an invalid phone number.	Invalid phone number.
10833	Payment has already been made for this InvoiceID.	Payment has already been made for this InvoiceID.	Duplicate invoice number.
10834	Internal Error	Internal Error	Specified token does not belong to the merchant making this API call.
10835	Internal Error	Internal Error	Payments to this merchant are not available from the country where the buyer account is registered.
10836	Internal Error	Internal Error	Payments to this merchant are not available from the country where a bank or credit card on the buyer's PayPal account is registered.

TABLE 2.11 General API Errors

Error Code	Short Message	Long Message	Correcting This Error
10002	Authentication /Authorization Failed	Username/Password is incorrect	This error can be caused by an incorrect API username, an incorrect API password, or an invalid API signature. Make sure that all three of these values are correct. For your security, PayPal does not report exactly which of these three values might be in error.
10002	Authentication /Authorization Failed	You do not have permissions to make this API call	
10002	Authentication /Authorization Failed	Account is locked or inactive	
10002	Internal Error	Internal Error	
10002	Authentication /Authorization Failed	Internal Error	
10002	Authentication /Authorization Failed	Account is not verified	
10002	Authentication /Authorization Failed	This call is not defined in the database!	
10002	Authentication /Authorization Failed	Token is not valid	
10002	Restricted account	Account is restricted	Your PayPal merchant account has been restricted. Contact your PayPal account manager for resolution.
10002	Authentication /Authorization Failed	Token is not valid	
10002	Authentication /Authorization Failed	API access is disabled for this account	

TABLE 2.11 General API Errors

Error Code	Short Message	Long Message	Correcting This Error
10002	Authentication /Authorization Failed	Client certificate is disabled	
10002	Restricted account	Account is restricted	



PayPal Supported Currencies

PayPal uses 3-character ISO-4217 codes for specifying currencies in fields and variables.

TABLE A.1 *PayPal-Supported Currencies and Currency Codes*

Currency	Currency Code
Australian Dollar	AUD
Brazilian Real	BRL
NOTE: This currency is supported as a payment currency and a currency balance for in-country PayPal accounts only.	
Canadian Dollar	CAD
Czech Koruna	CZK
Danish Krone	DKK
Euro	EUR
Hong Kong Dollar	HKD
Hungarian Forint	HUF
Israeli New Sheqel	ILS
Japanese Yen	JPY
Malaysian Ringgit	MYR
NOTE: This currency is supported as a payment currency and a currency balance for in-country PayPal accounts only.	
Mexican Peso	MXN
Norwegian Krone	NOK
New Zealand Dollar	NZD
Philippine Peso	PHP
Polish Zloty	PLN
Pound Sterling	GBP
Singapore Dollar	SGD
Swedish Krona	SEK

TABLE A.1 *PayPal-Supported Currencies and Currency Codes*

Currency	Currency Code
Swiss Franc	CHF
Taiwan New Dollar	TWD
Thai Baht	THB
U.S. Dollar	USD



Country Codes

NOTE: This table lists country codes defined by [ISO 3166-1](#).

Table 1: Country Codes

Country	Code
AFGHANISTAN	AF
ÅLAND ISLANDS	AX
ALBANIA	AL
ALGERIA	DZ
AMERICAN SAMOA	AS
ANDORRA	AD
ANGOLA	AO
ANGUILLA	AI
ANTARCTICA	AQ
ANTIGUA AND BARBUDA	AG
ARGENTINA	AR
ARMENIA	AM
ARUBA	AW
AUSTRALIA	AU
AUSTRIA	AT
AZERBAIJAN	AZ
BAHAMAS	BS
BAHRAIN	BH
BANGLADESH	BD
BARBADOS	BB

Country	Code
BELARUS	BY
BELGIUM	BE
BELIZE	BZ
BENIN	BJ
BERMUDA	BM
BHUTAN	BT
BOLIVIA	BO
BOSNIA AND HERZE- GOVINA	BA
BOTSWANA	BW
BOUVET ISLAND	BV
BRAZIL	BR
BRITISH INDIAN OCEAN TERRITORY	IO
BRUNEI DARUSSALAM	BN
BULGARIA	BG
BURKINA FASO	BF
BURUNDI	BI
CAMBODIA	KH
CAMEROON	CM
CANADA	CA
CAPE VERDE	CV
CAYMAN ISLANDS	KY
CENTRAL AFRICAN REPUBLIC	CF
CHAD	TD
CHILE	CL
CHINA	CN

Country	Code
CHRISTMAS ISLAND	CX
COCOS (KEELING) ISLANDS	CC
COLOMBIA	CO
COMOROS	KM
CONGO	CG
CONGO, THE DEMO- CRATIC REPUBLIC OF THE	CD
COOK ISLANDS	CK
COSTA RICA	CR
COTE D'IVOIRE	CI
CROATIA	HR
CUBA	CU
CYPRUS	CY
CZECH REPUBLIC	CZ
DENMARK	DK
DJIBOUTI	DJ
DOMINICA	DM
DOMINICAN REPUBLIC	DO
ECUADOR	EC
EGYPT	EG
EL SALVADOR	SV
EQUATORIAL GUINEA	GQ
ERITREA	ER
ESTONIA	EE
ETHIOPIA	ET

Country	Code
FALKLAND ISLANDS (MALVINAS)	FK
FAROE ISLANDS	FO
FIJI	FJ
FINLAND	FI
FRANCE	FR
FRENCH GUIANA	GF
FRENCH POLYNESIA	PF
FRENCH SOUTHERN TERRITORIES	TF
GABON	GA
GAMBIA	GM
GEORGIA	GE
GERMANY	DE
GHANA	GH
GIBRALTAR	GI
GREECE	GR
GREENLAND	GL
GRENADA	GD
GUADELOUPE	GP
GUAM	GU
GUATEMALA	GT
GUERNSEY	GG
GUINEA	GN
GUINEA-BISSAU	GW
GUYANA	GY
HAITI	HT

Country	Code
HEARD ISLAND AND MCDONALD ISLANDS	HM
HOLY SEE (VATICAN CITY STATE)	VA
HONDURAS	HN
HONG KONG	HK
HUNGARY	HU
ICELAND	IS
INDIA	IN
INDONESIA	ID
IRAN, ISLAMIC REPUB- LIC OF	IR
IRAQ	IQ
IRELAND	IE
ISLE OF MAN	IM
ISRAEL	IL
ITALY	IT
JAMAICA	JM
JAPAN	JP
JERSEY	JE
JORDAN	JO
KAZAKHSTAN	KZ
KENYA	KE
KIRIBATI	KI
KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	KP
KOREA, REPUBLIC OF	KR
KUWAIT	KW

Country	Code
KYRGYZSTAN	KG
LAO PEOPLE'S DEMO- CRATIC REPUBLIC	LA
LATVIA	LV
LEBANON	LB
LESOTHO	LS
LIBERIA	LR
LIBYAN ARAB JAMA- HIRIYA	LY
LIECHTENSTEIN	LI
LITHUANIA	LT
LUXEMBOURG	LU
MACAO	MO
MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF	MK
MADAGASCAR	MG
MALAWI	MW
MALAYSIA	MY
MALDIVES	MV
MALI	ML
MALTA	MT
MARSHALL ISLANDS	MH
MARTINIQUE	MQ
MAURITANIA	MR
MAURITIUS	MU
MAYOTTE	YT
MEXICO	MX

Country	Code
MICRONESIA, FEDER- ATED STATES OF	FM
MOLDOVA, REPUBLIC OF	MD
MONACO	MC
MONGOLIA	MN
MONTSEERRAT	MS
MOROCCO	MA
MOZAMBIQUE	MZ
MYANMAR	MM
NAMIBIA	NA
NAURU	NR
NEPAL	NP
NETHERLANDS	NL
NETHERLANDS ANTI- LLES	AN
NEW CALEDONIA	NC
NEW ZEALAND	NZ
NICARAGUA	NI
NIGER	NE
NIGERIA	NG
NIUE	NU
NORFOLK ISLAND	NF
NORTHERN MARIANA ISLANDS	MP
NORWAY	NO
OMAN	OM
PAKISTAN	PK

Country	Code
PALAU	PW
PALESTINIAN TERRITORY, OCCUPIED	PS
PANAMA	PA
PAPUA NEW GUINEA	PG
PARAGUAY	PY
PERU	PE
PHILIPPINES	PH
PITCAIRN	PN
POLAND	PL
PORTUGAL	PT
PUERTO RICO	PR
QATAR	QA
REUNION	RE
ROMANIA	RO
RUSSIAN FEDERATION	RU
RWANDA	RW
SAINT HELENA	SH
SAINT KITTS AND NEVIS	KN
SAINT LUCIA	LC
SAINT PIERRE AND MIQUELON	PM
SAINT VINCENT AND THE GRENADINES	VC
SAMOA	WS
SAN MARINO	SM

Country	Code
SAO TOME AND PRINC- IPE	ST
SAUDI ARABIA	SA
SENEGAL	SN
SERBIA AND MON- TENEGRO	CS
SEYCHELLES	SC
SIERRA LEONE	SL
SINGAPORE	SG
SLOVAKIA	SK
SLOVENIA	SI
SOLOMON ISLANDS	SB
SOMALIA	SO
SOUTH AFRICA	ZA
SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS	GS
SPAIN	ES
SRI LANKA	LK
SUDAN	SD
SURINAME	SR
SVALBARD AND JAN MAYEN	SJ
SWAZILAND	SZ
SWEDEN	SE
SWITZERLAND	CH
SYRIAN ARAB REPUB- LIC	SY

Country	Code
TAIWAN, PROVINCE OF CHINA	TW
TAJIKISTAN	TJ
TANZANIA, UNITED REPUBLIC OF	TZ
THAILAND	TH
TIMOR-LESTE	TL
TOGO	TG
TOKELAU	TK
TONGA	TO
TRINIDAD AND TOBAGO	TT
TUNISIA	TN
TURKEY	TR
TURKMENISTAN	TM
TURKS AND CAICOS ISLANDS	TC
TUVALU	TV
UGANDA	UG
UKRAINE	UA
UNITED ARAB EMIRATES	AE
UNITED KINGDOM	GB
UNITED STATES	US
UNITED STATES MINOR OUTLYING ISLANDS	UM
URUGUAY	UY
UZBEKISTAN	UZ
VANUATU	VU

Country	Code
VENEZUELA	VE
VIET NAM	VN
VIRGIN ISLANDS, BRIT- ISH	VG
VIRGIN ISLANDS, U.S.	VI
WALLIS AND FUTUNA	WF
WESTERN SAHARA	EH
YEMEN	YE
ZAMBIA	ZM
ZIMBABWE	ZW

